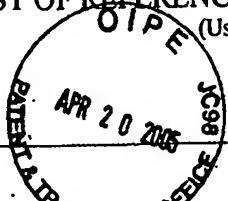


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	A03 5,223,409	06/29/1993	Ladner <i>et al.</i>			
✓	A04 5,541,109	07/30/1996	Searfoss, III <i>et al.</i>			
	A05					
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	A09					

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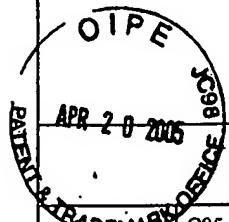
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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 3298-4014US1	SERIAL NO. 08/630,915		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Andrew B. SPARKS, et al.			
Entered 3/23/2004				FILING DATE April 3, 1996	GROUP ART UNIT 1652		
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	C	95/10296	20 April 1995	PCT			
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<i>✓</i>	E	91/19818	26 December 1991	PCT			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES	NO	
<i>My</i>	AE	WO 90/02809	03/22/1990	PCT WIPO			
	AF	WO 93/18054	09/16/1993	PCT WIPO			
<i>My</i>	AG	WO 95/24419	09/14/1995	PCT WIPO			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>My</i>	AH	Barkas et al., 1987, "Mapping the main immunogenic region and toxin-binding site of the nicotinic acetylcholine receptor", <i>Science</i> 235:77-80.
	AI	Bar-Sagi et al., 1993, "SH3 domains direct cellular localization of signaling molecules", <i>Cell</i> 74:83-91.
	AJ	Blond-Elguindi et al., 1993, "Affinity panning of a library of peptides displayed on bacteriophages reveals the binding specificity of BiP", <i>Cell</i> 75:717-728.
	AK	Bock et al., 1992, "Selection of single-stranded DNA molecules that bind and inhibit human thrombin", <i>Nature</i> 355:564-566.
	AL	Brunton & Workman, 1993, "Cell-signaling targets for antitumor drug development", <i>Cancer Chemother. Pharmacol.</i> 32:1-19.
	AM	Cheadle et al., 1994, "Identification of a SRC SH3 domain binding motif by screening a random phage display library", <i>J. Biol. Chem.</i> 269:24034-24039.
<i>My</i>	AN	Chen et al., 1993, "Biased combinatorial libraries: Novel ligands for the SH3 domain of phosphatidylinositol 3-kinase", <i>J. Biol. Chem.</i> 115:12591-12592.

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<i>m</i>	AO	Chien et al., 1991, "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest", <i>Proc. Natl. Acad. Sci. USA</i> 88:9578-9582.
	AP	Cicchetti et al., 1992, "Identification of a protein that binds to the SH3 region of Abl and is similar to BCR and GAP- ρ ", <i>Science</i> 257:803-806.
	AQ	Clark et al., 1992, " <i>C. elegans</i> cell-signalling gene <i>sem-5</i> encodes a protein with SH2 and SH3 domains", <i>Nature</i> 356:340-344.
	AR	Cohen et al., 1995, "Modular binding domains in signal transduction proteins", <i>Cell</i> 80:237-248.
	AS	Cwirla et al., 1990, "Peptides on phage: A vast library of peptides for identifying ligands", <i>Proc. Natl. Acad. Sci. USA</i> 87:6378-6382.
	AT	Daniels & Lane, 1994, "The characterization of p53 binding phage isolated from phage peptide display libraries", <i>J. Mol. Biol.</i> 243:639-652.
	AU	David et al., 1994, "Autoimmunity in stiff-Man syndrome with breast cancer is targeted to the C-terminal region of human amphiphysin, a protein similar to the yeast proteins, RVS167 and RVS161", <i>FEBS Lett.</i> 351:73-79.
	AV	Dedman et al., 1993, "Selection of targeted biological modifiers from a bacteriophage library of random peptides. The identification of novel calmodulin regulatory peptides", <i>J. Biol. Chem.</i> 268:23025-23030.
	AW	Devlin et al., 1990, "Random peptide libraries: A source of specific protein binding molecules", <i>Science</i> 249:404-406.
	AX	Doorbar & Winter, 1994, "Isolation of a peptide antagonist to the thrombin receptor using phage display", <i>J. Mol. Biol.</i> 244:361-369.
	AY	Duchesne et al., 1993, "Identification of the SH3 domain of GAP as an essential sequence for RAS-GAP-Mediated signalling", <i>Science</i> 259:525-528.
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	BA	Ellington & Szostak, 1990, "In vitro selection of RNA molecules that bind specific ligands", <i>Nature</i> 346:818-822.
	BB	Ellington & Szostak, 1992, "Selection <i>in vitro</i> of single-stranded DNA molecules that fold into specific ligand-binding structures", <i>Nature</i> 355:850-852.
	BC	Evans et al., 1990, "Talin and vinculin in the oocyte, eggs, and early embryos of <i>Xenopus laevis</i> : A developmentally regulated change in distribution", <i>Dev. Biol.</i> 137:403-413.
	BD	Feng et al., 1994, "Two binding orientations for peptides to the SRC SH3 domain: Development of a general model for SH3-Ligand interactions", <i>Science</i> 266:1241-1247.
<i>m</i>	BE	Fields & Song, 1989, "A novel genetic system to detect protein-protein interactions", <i>Nature</i> 340:245-246.

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	BG	Fowikes et al., 1992, "Multipurpose vectors for peptide expression on the M13 viral surface", <i>Biotechniques</i> 13:422-427.
	BH	Fukamachi et al., 1994, "Identification of a protein, SPY75, with repetitive helix-turn-helix motifs and an SH3 domain as a major substrate for protein tyrosine kinase(s) activated by Fc ε RI cross-linking", <i>J. Immunol.</i> 152:642-652.
	BI	Gao et al., 1994, "Selection of a subset of mRNAs from combinatorial 3' untranslated region libraries using neuronal RNA-binding protein Hel-N1", <i>Proc. Natl. Acad. Sci. USA</i> 91:11207-11211.
	BJ	Geysen et al., 1987, "Strategies for epitope analysis using peptide synthesis", <i>J. Immunol. Meth.</i> 102:259-274.
	BK	Gilbert & Villa-Komaroff, 1980, "Useful proteins from recombinant bacteria", <i>Sci. Am.</i> 242:74-94.
	BL	Goodson et al., 1994, "High-affinity urokinase receptor antagonists identified with bacteriophage peptide display", <i>Proc. Natl. Acad. Sci. USA</i> 91:7129-7133.
	BM	Gordon et al., 1994, "Applications of combinatorial technologies to drug discovery. 2. Combinatorial organic synthesis, library screening strategies, and future directions", <i>J. Med. Chem.</i> 37:1385-1401.
	BN	Gout et al., 1993, "The GTPase dynamin binds to and is activated by a subset of SH3 domains", <i>Cell</i> 75:25-36.
	BO	Hoffman, 1995, "A novel method for identifying src homology 3 (SH3) domain-containing proteins", J.K. Koeppe Undergraduate Res. Symp. in Biol of UNC at Chapel Hill, April 7, abstracts.
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	BQ	Houghten et al., 1991, "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discoveries", <i>Nature</i> 354:84-86.
	BR	Ishikawa et al., 1994, "Drebrin, a development-associated brain protein from rat embryo, causes the dissociation of tropomyosin from actin filaments", <i>J. Biol. Chem.</i> 269:29928-29933.
	BS	Iwabuchi et al., 1994, "Two cellular proteins that bind to wild-type but not mutant p53", <i>Proc. Natl. Acad. Sci. USA</i> 91:6098-6102.
	BT	Jackson et al., 1993, "Mutation of a phenylalanine conserved in SH3-containing tyrosine kinases activates the transforming ability of c-ABL", <i>Oncogene</i> 8:1943-1956.
	BU	N.K. Jerne, 1974, "Towards a network theory of the immune system", <i>Ann. Immunol. (Inst. Pasteur)</i> 125c:373-389.
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	BX	Kay et al., 1993, "An M13 phage library displaying random 38-amino acid peptides as a source of novel sequences with affinity to selected targets", <i>Gene</i> 128:59-65.
	BY	B.K. Kay, 1994, "Biologically displayed random peptides as reagents in mapping protein-protein interactions", <i>Perspect. in Drug Disc. & Design</i> 2:251-268.
	BZ	Kay et al., 1995, "Mapping protein-protein interactions with phage", <i>Tucson Mtg. Discussion</i> abstr.
	CA	Knudsen et al., 1994, "Four proline-rich sequences of the guanine-nucleotide exchange factor C3G bind with unique specificity to the first SRC homology 3 domain of CRK", <i>J. Biol. Chem.</i> 269:32781-32787.
	CB	Krook et al., 1994, "Selection of peptides with affinity for single stranded DNA using a phage display library", <i>Biochem. Biophys. Res. Comm.</i> 204:849-854.
	CC	Lam et al., 1991, "A new type of synthetic peptide library for identifying ligand-binding activity", <i>Nature</i> 354:82-84.
	CD	R. Langer, 1990, "New methods of drug delivery", <i>Science</i> 249:1527-1533.
	CE	Lescure et al., 1992, "A factor with SP1 DNA-binding specificity stimulates Xenopus U6 snRNA in vivo transcription by RNA polymerase III", <i>J. Mol. Biol.</i> 228:387-394.
	CF	Lichte et al., 1992, "Amphiphysin, a novel protein associated with synaptic vesicles", <i>EMBO J.</i> 11:2521-2530.
	CG	Lim et al., 1994, "Stability and peptide binding affinity of an SH3 domain from the <i>Caenorhabditis elegans</i> signaling protein SEM-5", <i>Protein Sci.</i> 3:1261-1266.
	CH	Lim et al., 1994, "Structural determinants of peptide-binding orientation and of sequence specificity on SH3 domains", <i>Nature</i> 372:375-379.
	CI	Liu et al., 1993, "The v-Src SH3 domain binds phosphatidylinositol 3'-kinase", <i>Mol. Cell. Biol.</i> 13:5225-5232.
	CJ	Mayer et al., 1993, "A putative modular domain present in diverse signaling proteins", <i>Cell</i> 73:629-630.
	CK	McAdara & Babior, 1993, "SH3 domains appear to play a functional role in respiratory burst oxidase activity", <i>Blood</i> 82:A28.
	CL	McGlade et al., 1993, "The N-terminal region of GAP regulates cytoskeletal structure and cell adhesion", <i>EMBO J.</i> 12:3073-3081.
	CM	McLafferty et al., 1993, "M13 bacteriophage displaying disulfide-constrained microproteins", <i>Gene</i> 128:29-36.
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	CP	Parmley & Smith, 1988, "Antibody-selectable filamentous fd phage vectors: Affinity purification of target genes", <i>Gene</i> 73:305-318.
	CQ	Parmley & Smith, 1989, "Filamentous fusion phage cloning vectors for the study of epitopes and design of vaccines", <i>Adv. Exp. Med. Biol.</i> 251:215-218.
	CR	Pawson & Gish, 1992, "SH2 and SH3 domains: From structure to function", <i>Cell</i> 71:359-362.
	CS	T. Pawson, 1995, "Protein modules and signalling networks", <i>Nature</i> 373:573-580.
	CT	Pleiman et al., 1994, "Activation of phosphatidylinositol-3' kinase by Src-family kinase SH3 binding to the p85 subunit", <i>Science</i> 263:1609-1612.
	CU	Rebar & Pabo, 1994, "Zinc finger phage: Affinity selection of fingers with new DNA-binding specificities", <i>Science</i> 263:671-673.
	CV	Ren et al., 1993, "Identification of a ten-amino acid proline-rich SH3 binding site", <i>Science</i> 259:1157-1161.
	CW	Reynolds et al., 1992, "Functional analysis of the SH2 and SH3 domains of the <i>lck</i> tyrosine protein kinase", <i>Oncogene</i> 7:1949-1955.
	CX	Rickles et al., 1994, "Identification of SRC, FYN, LYN, P13K and ABL SH3 domain ligands using phage display libraries", <i>EMBO J.</i> 13:5598-5604.
	CY	Rickles et al., 1995, "Phage display selection of ligand residues important for Src homology 3 domain binding specificity", <i>Proc. Natl. Acad. Sci. USA</i> 92:10909-10913.
	CZ	Rozakis-Adcock et al., 1993, "The SH2 and SH3 domains of mammalian Grb2 couple the EGF receptor to the Ras activator mSos1", <i>Nature</i> 363:83-85.
	DA	Sanger et al., 1980, "Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing", <i>J. Mol. Biol.</i> 143:161-178.
	DB	Scott & Smith, 1990, "Searching for peptide ligands with an epitope library", <i>Science</i> 249:386-390.
	DC	Seidel-Dugan et al., 1992, "Effects of SH2 and SH3 deletions on the functional activities of wild-type and transforming variants of c-SRC", <i>Mol. Cell. Biol.</i> 12:1835-1845.
	DD	Sikela & Hahn, 1987, "Screening an expression library with a ligand probe: Isolation and sequence of a cDNA corresponding to a brain calmodulin-binding protein", <i>Proc. Natl. Acad. Sci. USA</i> 84:3038-3042.
	DE	Skolnik et al., 1991, "Cloning of PI3 kinase-associated p85 utilizing a novel method for expression/cloning of target proteins for receptor tyrosine kinases", <i>Cell</i> 65:83-90.
<i>W</i>	DF	Songyang et al., 1993, "SH2 domains recognize specific phosphopeptide sequences", <i>Cell</i> 72:767-778.

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<i>Key</i>	DX	Wages et al., 1992, "Mutations in the SH3 domain of the <i>src</i> oncogene which decrease association of phosphatidylinositol 3'-kinase activity with pp60 ^{src} and alter cellular morphology", <i>J. Virol.</i> 66:1866-1874.
	DY	Weng et al., 1993, "Detection of Src homology 3-binding proteins, including paxillin, in normal and v-Src-transformed Balb/c 3T3 cells", <i>J. Biol. Chem.</i> 268:14956-14963.
	DZ	J. Winter, 1994, "Bacteriophage display: Peptide libraries and drug discovery", <i>Drug Dev. Res.</i> 33:71-89.
	EA	Wu & Parsons, 1993, "Cortactin, an 80/85-kilodalton pp60 ^{src} substrate, is a filamentous actin-binding protein enriched in the cell cortex", <i>J. Cell Biol.</i> 120:1417-1426.
	EB	Yamanashi et al., 1987, "The YES-related cellular gene LYN encodes a possible tyrosine kinase similar to p56 ^{lck} ", <i>Mol. Cell. Biol.</i> 7:237-243.
	EC	Young & Davis, 1983, "Efficient isolation of genes by using antibody probes", <i>Proc. Natl. Acad. Sci. USA</i> 80:1194-1198.
	ED	Yu et al., 1992, "Solution structure of the SH3 domain of Src and identification of its ligand-binding site", <i>Science</i> 258:1665-1668. ⁷⁰ <i>qP</i>
	EE	Yu et al., 1994, "Structural basis for the binding of proline-rich peptides to SH3 domains", <i>Cell</i> 76:933-945.
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